Compact, low-noise gearboxes for high loads

*Feldkirchen/Germany, April 19, 2021* – With the GP56-N series, the Nanotec product line now also includes low-noise planetary gearboxes for brushless DC motors and stepper motors with flange size 56 and 60 mm.

The helical toothing allows the teeth to mesh gradually which results in a smoother transmission of forces so that vibrations and noise are reduced. Because the planetary gears and the ring gear consist of a high-quality, low-wear plastic, the new gearboxes are up to 10 dB quieter than conventional, straight-geared metal gearboxes.

The gearboxes are available in one- and two-stage versions in nine different reductions between 3:1 and 35:1 and offer an output torque from 1.5 to 11.8 Nm. For use in harsh environments, the gearboxes are protected against penetration by dust and liquids according to IP54.

Thanks to their compact design and high efficiency, the low-noise gearboxes from Nanotec are ideally suited for applications in medical devices and building automation.

*Nanotec was founded in 1991 and is now among the leading manufacturers of motors and controllers/drives for industrial automation and medical engineering applications. The company has been based in Feldkirchen near Munich/Germany since 2011. With some 200 employees in Germany, Bulgaria, the USA and China, Nanotec serves customers around the world.*

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